

Number, percent and rate of fatal occupational injuries by select worker characteristics, occupation, and industry 2002				
Characteristic	Fatalities		Employed ¹	Fatalities per 100,000 employed ²
	Number	Percent	(in thousands)	
Total	5,524	100	137,700	4.0
Employee status				
Wage and salary workers	4,472	81	127,818	3.5
Self-employed	1,052	19	9,882	10.5
Gender				
Men	5,083	92	73,939	6.9
Women	441	8	63,761	.7
Age				
Under 16 years	16	--	--	--
16 to 17 years	25	--	2,333	1.1
18 to 19 years	92	2	4,115	2.2
20 to 24 years	435	8	13,753	3.2
25 to 34 years	1,020	18	30,711	3.3
35 to 44 years	1,402	25	35,486	4.0
45 to 54 years	1,250	23	31,319	4.0
55 to 64 years	783	14	15,676	5.0
65 years and over	494	9	4,306	11.5
Unspecified	7	--	--	--
Race				
White	3,917	71	99,256	3.9
Black or African American	491	9	14,064	3.5
Hispanic	840	15	16,699	5.0
Occupation				
Managerial and professional specialty occupations	513	9	42,482	1.2
Executive, administrative, and managerial occupations	319	6	20,561	1.6
Managers, marketing, advertising, and public relations	17	--	735	2.3
Managers, food serving and lodging establishments	46	1	1,494	3.1
Managers, properties and real estate	12	--	618	1.9
Management related occupations	48	1	5,182	.9
Accountants and auditors	11	--	1,702	.6
Professional specialty	194	4	21,921	.9
Engineers, architects, and surveyors	26	--	2,249	1.2
Engineers	19	--	2,028	.9
Health diagnosing occupations	15	--	1,176	1.3

Health assessment and treating occupations	19	--	3,267	.6
Registered nurses	16	--	2,311	.7
Teachers, post-secondary	10	--	1,015	1.0
Teachers, except post-secondary	19	--	5,652	.3
Social, recreation, and religious workers	27	--	1,556	1.7
Social workers	9	--	848	1.1
Writers, artists, entertainers, and athletes	47	1	2,498	1.9
Athletes	23	--	95	24.2
Technical, sales, and administrative support occupations	595	11	38,947	1.5
Technicians and related support occupations	155	3	4,509	3.4
Health technologists and technicians	22	--	1,879	1.2
Engineering and related technologists, technicians	24	--	980	2.4
Electrical and electronic technicians	16	--	433	3.7
Technicians, except health, engineering and science	103	2	1,359	7.6
Airplane pilots and navigators	90	2	129	69.8
Sales occupations	347	6	16,254	2.1
Supervisors and proprietors, sales occupations	162	3	4,828	3.4
Sales representatives, finance and business services	29	1	2,944	1.0
Sales representatives, commodities except retail	21	--	1,563	1.3
Sales workers, retail and personal services	132	2	6,811	1.9
Sales counter clerks	10	--	183	5.5
Cashiers	47	1	2,942	1.6
News vendors	21	--	103	20.4
Administrative support occupations, including clerical	93	2	18,184	.5
Mail and message distributing occupations	34	1	907	3.7
Mail carriers, postal service	16	--	338	4.7
Messengers	12	--	130	9.2
Material recording, scheduling, and distributing clerks	10	--	1,995	.5
Miscellaneous administrative support occupations	11	--	3,858	.3
Service occupations	483	9	19,219	2.5
Protective service occupations	272	5	2,596	10.4
Fire fighting, prevention jobs, including supervisors	52	1	307	16.6
Police and detectives, including supervisors	140	3	1,202	11.6
Guards, including supervisors	80	1	1,088	7.3
Service occupations, except protective and household	207	4	15,877	1.3
Food preparation and service occupations	63	1	6,614	1.0
Bartenders	7	--	341	2.1
Waiters and waitresses	9	--	1,430	.6
Cooks	23	--	2,264	1.0
Health service occupations	20	--	2,817	.7
Cleaning and building service occupations, except household	92	2	3,162	2.9
Janitors and cleaners	76	1	2,199	3.5
Personal service occupations	32	1	3,284	1.0
Farming, forestry, and fishing occupations	840	15	3,480	23.8
Farm occupations--comprises the 4 jobs below with asterisks.	519	9	1,819	28.0
Farm operators and managers	337	6	1,168	28.9
Farmers, except horticultural *	306	6	898	34.1
Managers, farms, except horticultural *	20	--	169	11.8
Other agricultural and related occupations	366	7	2,181	16.3
Farm occupations, except managerial	198	4	779	24.1
Supervisors, farm workers *	10	--	36	27.8
Farm workers *	183	3	716	24.2
Related agricultural occupations	168	3	1,403	12.0
Supervisors, related agricultural occupations	14	--	188	7.4
Groundskeepers and gardeners, except farm	146	3	973	15.0

Forestry and logging occupations	104	2	85	122.4
Timber cutters	86	2	73	117.8
Supervisors, forestry and logging workers	14	--	19	73.7
Timber cutting and logging occupations	72	1	54	133.3
Fishers, hunters, and trappers	33	1	46	69.6
Fishers, including vessel captains and officers	33	1	45	71.1
Precision production, craft, and repair occupations	1,104	20	14,660	7.5
Mechanics and repairers	274	5	4,760	5.8
Supervisors, mechanics and repairers	23	--	237	9.7
Mechanics and repairers, except supervisors	251	5	4,523	5.5
Vehicle and mobile equipment mechanics and repairers	115	2	1,831	6.3
Automobile mechanics	42	1	867	4.8
Bus, truck, and stationary engine mechanics	26	--	343	7.6
Automobile body and related repairers	11	--	212	5.2
Heavy equipment mechanics	21	--	180	11.7
Industrial machinery repairers	21	--	460	4.6
Electrical and electronic equipment repairers	30	1	870	3.4
Electronic repairers, communications, industrial equipment	16	--	193	8.3
Heating, air conditioning, and refrigeration mechanics	25	--	357	7.0
Miscellaneous mechanics and repairers	54	1	986	5.5
Construction trades	682	12	6,304	10.8
Supervisors, construction occupations	108	2	963	11.2
Construction trades, except supervisors	574	10	5,341	10.7
Brickmasons and stonemasons	21	--	236	8.9
Carpenters	108	2	1,563	6.9
Electricians	116	2	862	13.5
Electrical power installers and repairers	41	1	126	32.5
Painters, construction and maintenance	46	1	654	7.0
Plumbers, pipefitters and steamfitters	34	1	548	6.2
Roofers	87	2	235	37.0
Structural metal workers	39	1	67	58.2
Extractive occupations	58	1	115	50.4
Mining machine operators	17	--	29	58.6
Precision production occupations	90	2	3,481	2.6
Operators, fabricators, and laborers	1,895	34	17,697	10.7
Machine operators, assemblers, and inspectors	168	3	6,488	2.6
Machine operators and tenders, except precision	95	2	4,065	2.3
Metal working, plastic working machine operators	7	--	286	2.4
Machine operators, assorted materials	71	1	2,401	3.0
Fabricators, assemblers, and hand working occupations	62	1	1,769	3.5
Welders and cutters	52	1	511	10.2
Assemblers	9	--	1,108	.8
Production inspectors, testers, samplers, and weighers	11	--	654	1.7
Transportation and material moving occupations	1,143	21	5,814	19.7
Motor vehicle operators	952	17	4,482	21.2
Truck drivers	808	15	3,234	25.0
Drivers-sales workers	58	1	153	37.9
Bus drivers	19	--	605	3.1
Taxicab drivers and chauffeurs	51	1	332	15.4
Transportation occupations, except motor vehicles	38	1	169	22.5
Rail transportation occupations	11	--	111	9.9
Water transportation occupations	27	--	58	46.6
Ship captains and mates, except fishing boats	13	--	31	41.9
Sailors and deckhands	14	--	20	70.0
Material moving equipment operators	153	3	1,163	13.2

Operating engineers	33	1	265	12.5
Crane and tower operators	13	--	72	18.1
Excavating and loading machine operators	16	--	106	15.1
Grader, dozer, and scraper operators	13	--	52	25.0
Industrial truck and tractor equipment operators	49	1	563	8.7
Handlers, equipment cleaners, helpers, and laborers	584	11	5,395	10.8
Helpers, construction and extractive occupations	14	--	123	11.4
Construction laborers	302	5	1,089	27.7
Freight, stock, and material handlers	51	1	1,949	2.6
Garbage collectors	17	--	47	36.2
Stock handlers and baggers	16	--	1,105	1.4
Garage and service station related occupations	11	--	171	6.4
Vehicle washers and equipment cleaners	11	--	306	3.6
Laborers, except construction	181	3	1,267	14.2
Military	85	2	1,215	7.0
Industry				
Private industry	4,970	90	116,863	4.2
Agriculture, forestry, and fishing	789	14	3,417	22.7
Agricultural production, crops	338	6	899	37.0
Agricultural production, livestock	129	2	989	12.5
Agricultural services	198	4	1,437	13.8
Landscape and horticultural services	162	3	1,009	16.1
Fishing, hunting, and trapping	33	1	54	59.3
Mining	121	2	515	23.5
Coal mining	25	--	87	28.7
Oil and gas extraction	71	1	308	23.1
Construction	1,121	20	9,163	12.2
Manufacturing	563	10	18,072	3.1
Food and kindred products	64	1	1,640	3.9
Meat products	13	--	458	2.8
Grain mill products	13	--	151	8.6
Lumber and wood products	142	3	706	20.1
Logging	100	2	98	102.0
Sawmills and planing mills	21	--	396	5.3
Paper and allied products	22	--	590	3.7
Printing and publishing	34	1	1,694	2.0
Newspapers	27	--	499	5.4
Chemicals and allied products	30	1	1,251	2.4
Rubber and miscellaneous plastics products	23	--	734	3.1
Stone, clay, and glass products	52	1	569	9.1
Concrete, gypsum, and plaster products	38	1	213	17.8
Primary metal industries	31	1	666	4.7
Blast furnace and basic steel products	12	--	285	4.2
Fabricated metal products	41	1	1,206	3.4
Fabricated structural metal products	20	--	538	3.7
Industrial machinery and equipment	49	1	2,050	2.4
Construction and related machinery	6	--	198	3.0
Transportation equipment	38	1	2,125	1.8
Motor vehicles and equipment	13	--	1,225	1.1
Transportation and public utilities	910	16	8,060	11.3
Railroad transportation	20	--	246	8.1
Local and interurban passenger transit	60	1	683	8.8

Taxicabs	37	1	150	24.7
Trucking and warehousing	584	11	2,777	21.0
Trucking service	556	10	2,564	21.7
Public warehousing and storage	21	--	213	9.9
Water transportation	47	1	201	23.4
Transportation by air	71	1	800	8.9
Transportation services	11	--	358	3.1
Communications	33	1	1,957	1.7
Telephone communications	14	--	1,441	1.0
Wholesale trade	205	4	5,065	4.0
Wholesale trade, durable goods	113	2	2,641	4.3
Motor vehicles, parts, and supplies	19	--	263	7.2
Lumber and construction materials	13	--	192	6.8
Machinery, equipment, and supplies	39	1	600	6.5
Wholesale trade, nondurable goods	88	2	2,425	3.6
Groceries and related products	31	1	983	3.2
Farm-product raw materials	14	--	89	15.7
Petroleum and petroleum products	16	--	133	12.0
Retail trade	487	9	22,900	2.1
Lumber and other building materials	18	--	699	2.6
Grocery stores	89	2	2,926	3.0
Gasoline service stations	20	--	347	5.8
Furniture and homefurnishings stores	23	--	678	3.4
Eating and drinking places	126	2	7,217	1.7
Liquor stores	11	--	135	8.1
Finance, insurance, and real estate	87	2	8,940	1.0
Depository institutions	19	--	2,217	.9
Insurance carriers	13	--	2,460	.5
Real estate	42	1	2,345	1.8
Services	680	12	40,820	1.7
Hotels and other lodging places	37	1	1,518	2.4
Hotels and motels	28	1	1,399	2.0
Business services	165	3	7,101	2.3
Advertising	12	--	272	4.4
Services to buildings	47	1	974	4.8
Personnel supply services	12	--	960	1.3
Automotive repair, services, and parking	114	2	1,597	7.1

Government	554	10	20,837	2.7
Federal	137	2	4,493	3.0
State	92	2	5,711	1.6
Local	313	6	10,634	2.9

¹ The employment figures, except for military, are annual average estimates of employed civilians, 16 years of age and older, from the Current Population Survey (CPS), 2002. The resident military figure, obtained from the Department of Defense, was added to the CPS employment total.

² The rate represents the number of fatal occupational injuries per 100,000 employed workers and was calculated as follows: $(N/W) \times 100,000$, where N = the number of fatal work injuries, and W = the number of employed workers. There were 16 fatally injured workers under the age of 16 years that were not included in the rate calculations to maintain consistency with the CPS employment.

NOTE: Selected rate categories had 5 or more work injury fatalities in 2002. Dashes indicate data not available or less than .5 percent. Totals for major categories may include subcategories not shown separately. Figures may not add to totals because of rounding.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries, 2002